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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/555,283	12/12/2005	Roland Stauber	ZAHFRI P788UA 4209	
20210 759	-		EXAMINER	
DAVIS & BUJOI 112 PLEASANT	·		KENNEDY, JOSHUA T	
CONCORD, NH 03301			ART UNIT	PAPER NUMBER
			3679	
SHORTENED STATUTORY F	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		03/28/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary		Application No.	A	Applicant(s)			
		10/555,283	S ⁻	STAUBER, ROLAND			
		Examiner	A	rt Unit	114		
		Joshua T. Kenne		679	VIE .		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) ☐ Responsive to communication(s) filed on 12 December 2005. 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of	Claims						
4a) O 5) ☐ Clain 6) ☑ Clain 7) ☐ Clain 8) ☐ Clain Application Pa 9) ☐ The s 10) ☐ The d Application	pecification is objected to by the Exa rawing(s) filed on is/are: a) cant may not request that any objection to cement drawing sheet(s) including the c	hdrawn from consider and/or election require aminer. accepted or b) objointh of the drawing(s) be held orrection is required if the	ment. ected to by the Exa in abeyance. See 37 e drawing(s) is object	7 CFR 1.85(a). ed to. See 37 C	• •		
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
2) Notice of Dragon Notice of Dragon (ferences Cited (PTO-892) aftsperson's Patent Drawing Review (PTO-94 Disclosure Statement(s) (PTO/SB/08) /Mail Date	8)	Interview Summary (PT Paper No(s)/Mail Date. Notice of Informal Pater Other:	·			

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Art Unit: 3679

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claims 1 and 2 have been cancelled.

Claims 3-5 have been examined.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Raschinen (DE 8906899U) in view of Jauch et al (DE 19620330).

Raschinen discloses a permanent shaft-hub connection comprising: a central shaft (1), at least a first (21) and a second (22) toothed wheel hub secured to the central shaft, the first toothed wheel hub being adjacent to the second toothed wheel hub (Fig 1), the first toothed wheel hub having a first section (9) superimposing a second section (25) of the second toothed wheel hub in a stepped fashion.

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However, Raschinen does not disclose the wheel hubs being secured to the central shaft by a shrinkage fit nor the first section and the second section being secured to each other by a shrinkage fit. It is first noted that the specific method of forming is not germane to the issue of patentability of the device itself. Therefore, the limitation "shrink fit" has been given only limited patentable weight. See MPEP § 2113.

Jauch et al teach a similar connection between toothed wheels (4,6) and a central shaft (2) being a shrink fit (Applicant's instant disclosure, Paragraph 15) to prevent the disadvantages of micromigration. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the shaft to hub connection of Raschinen to be shrunk fit as taught by Jauch et al to prevent the disadvantages of micromigration. It is inherent that the second toothed wheel of Rasshinen, while being shrunk fit to the shaft, would also be shrunk fit onto the first toothed wheel (at 4 and 7) to the same degree since, during the "shrink fitting" process, the second hub (22) would be fit onto the step portion (9) of the first hub (21).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Patents 5630671, 6276863, 5788401 are all cited to show similar shrink-fit connections.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua T. Kennedy whose telephone number is (571) 272-8297. The examiner can normally be reached on M-F: 7am - 3:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P. Stodola can be reached on (571) 272-7087. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JK JTK 3/26/2007

> DANIEL P. STODOLA SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 3500

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